

THE LINN LP12/LINGO

The LP12/Lingo is a turntable with a separate, high precision, direct-coupled power supply, designed to sit alongside the turntable. The sound quality benefits are substantial, confirming Linn's view that there is still a lot of information on vinyl records yet to be tapped.

If you don't get a good signal off the record then it doesn't matter how good the rest of the system is, it can't improve the sound quality.

Linn is involved in every stage of the record and playback process. Therefore we can check the signal at each step in the hi-fi chain, and have long been aware of the enormous gap between master tape quality and the sound from a record. The LP12/Lingo reduces this gap.

For existing LP12 owners, a Lingo power supply and connection kit will be available which can easily be installed by their retailer, so they can upgrade if they wish, in keeping with Linn's well established policy.

Features offered by the Lingo include:

- Low noise oscillators
- Precision filtering
- Separate drive for both motor phases
- High isolation from mains supply
- Both 33rpm and 45rpm speeds

All adding up to more music from the record and sound quality closer to the master tape.

SPECIFICATIONS

At the heart of the Lingo are two very low noise crystal oscillators derived from the Linn Numerik digital recording system – one for 33.33rpm and one for 45rpm. The switch on the turntable selects the appropriate oscillator, whose output is fed into a synchronous counter to produce a 50Hz or 67.5Hz square wave for 33rpm and 45rpm respectively.

As the LP12 motor runs quietest when driven with a clean sinusoidal waveform, a precision filter is employed in the Lingo to remove harmonics from the square wave leaving only a pure sinusoid.

The most uniform torque is delivered from the motor when both phases are driven at ninety degrees with respect to one another. This is achieved by a ninety degree phase-shift network after the filter. The two resulting sinusoids drive two high voltage Class A amplifiers, the outputs of which drive the two motor windings/

The Lingo uses 'stall detection' circuitry to feed the motor with a higher voltage for increased start-up torque. When the platter reaches the selected speed, this load-sensing circuitry reduces the power output. From then on the motor just maintains the platter's own inertia to keep it going silently.

A toroidal transformer on the PCD and a mains filter give a very high degree of electrical isolation from the mains voltage supply.

Dimensions

Length:	326mm
Width:	157mm
Height:	75mm